

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/040928 A1

(51) International Patent Classification⁷: H04Q 7/34, 7/22

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/EP2003/011506

(22) International Filing Date: 17 October 2003 (17.10.2003)

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
02024084.2 29 October 2002 (29.10.2002) EP

Declaration under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUNDSCHEIDT**, Frank [NL/NL]; In de Boomgaard 26, NL-6464 GC Kerkrade (NL). **LOHMAR**, Thorsten [DE/DE]; Hirschgraben 9-11, 52062 Aachen (DE). **MEYER**, Michael [DE/DE]; Grossheidstrasse 27, 52080 Aachen (DE). **WAGER**, Stefan [SE/FI]; Askrödjevägen 5 D 17, FIN-02770 Esbo (FI).

(74) Agent: **TONSCHEIDT**, Andreas; Ericsson Eurolab Deutschland GmbH, Ericsson Allee 1, 52134 Herzogenrath (DE).

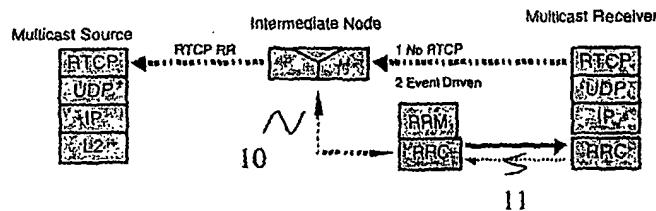
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

Published:

— *with international search report*

[Continued on next page]

(54) Title: REPORTING FOR MULTI-USER SERVICES IN WIRELESS NETWORKS



11

WO 2004/040928 A1

(57) **Abstract:** The basic idea of the present invention is to adapt multi-user multimedia data in a communication system with a server providing the multi-user multimedia data to clients and with an intermediate network part. Said intermediate network part is arranged to provide information on communication between the server and the clients. The server sends multimedia data to the clients. Distribution characteristics are determined for the clients, which are considered by the generation of an aggregated feedback report on the clients' reception conditions of the multimedia data in the intermediate network part. Said feedback report includes additional information about aggregation fashion. Said aggregated feedback report is sent to the server in order the server adapts the transmission of the multimedia data from the server to the clients according to the aggregated feedback report.